

*AC 9457 (2204 6-8)*

Borough of Loughborough.

ANNUAL REPORTS

OF THE

Medical Officer of Health

AND

Sanitary Inspector,

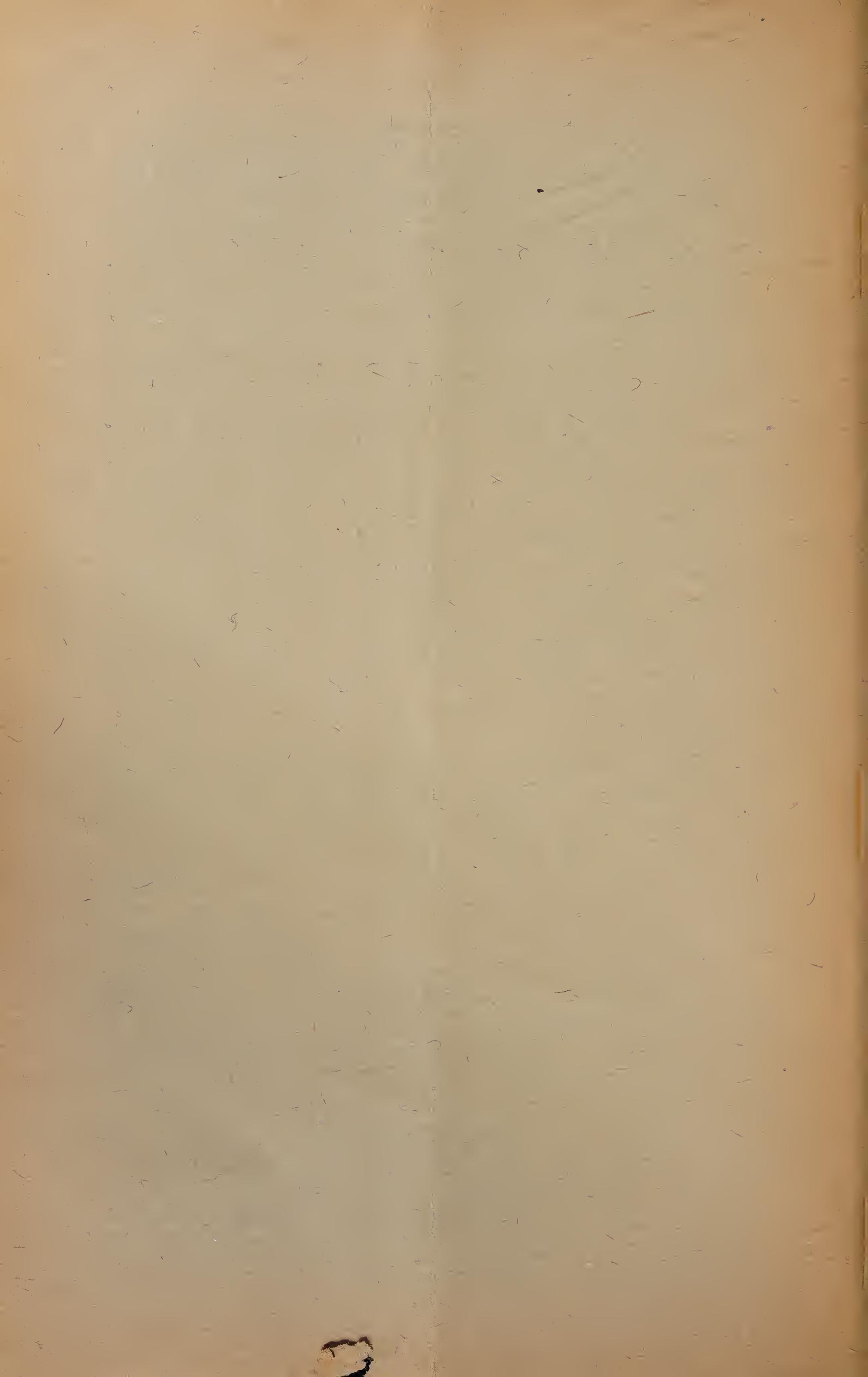
FOR THE

Year ending December 31st, 1927.

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LOUGHBOROUGH:  
E. ARMSTRONG AND SON, PRINTERS,  
45, MARKET PLACE.



Borough of Loughborough.

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## PUBLIC HEALTH STAFF.

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\* N. B. M. BLACKHAM, Medical Officer of Health.

\* HAROLD BINTCLIFFE, Sanitary Inspector.

Cert. Royal San. Inst. as San. Inspector.

Cert. Royal San. Inst. as Inspector of Meat and other Foods.

Cert. San. Insptrs. Assoc. Examination Board as Sanitary Inspector.

W. J. MUNTON, Assistant, Sanitary Department.

J. BIRD, Clerk and Assistant Sanitary Department.

NURSE SHEPPARD, Health Visitor.

\* Receive Part Salaries from Ministry of Health.

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## *Report of Medical Officer.*

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To the Town Council for the Borough of Loughborough.

I have the honour to present to you my Annual Report for the year 1927.

Area (Acres) ... ...	3045
Population Census 1921—26230.	
,, Estimated 1927—26350.	
No. of Inhabited Houses 1921, 5860. 1927, 6368	
Average Number of Persons per house ...	4·3
Rateable Value 1927 ... £127,361 14s. 6d.	
Sum represented by 1d. rate                      £455 0s. 0d.	

The Borough of Loughborough is situated in the Valley of the River Soar, west of that River, which forms the eastern boundary of the Borough. The ground levels vary from 120 feet above O.D. in the neighbourhood of the Meadows adjoining the River Soar to 200 O.D. on the south western side of the Borough. The district between the Leicester Canal and the River is comparatively level, whilst the remainder of the Borough is undulating. The Hermitage Brook drains the lower levels above referred to, and the Woodbrook and Burleigh Brook drain the higher levels towards the Charnwood Forest into the River Soar. The district to the north east of the Midland Railway is practically unbuilt

upon, the bulk of the property being built upon the higher levels. The Subsoil in the lower levels is drift gravel overlying the upper Keuper Marls, and varies in thickness from 5-20 feet, and the saturating level is about 4 feet below the surface. In the remaining parts of the Town the Subsoil is practically the same, except that the thickness of the gravel varies considerably, in certain parts of the town there being only a few inches and in other parts it runs from 10 to 15 feet chiefly in "pockets." Subsoil water level would average 10 feet below the surface in the town other than the district east of the Midland Railway.

## Water Supply

The water supply of the district is derived from the uplands of Charnwood Forest, a sparsely populated district, most of which is grass land. The water has no plumbo-solvent action and is collected from the sources of supply of the Blackbrook and the Woodbrook, each stream having a separate reservoir in which the water is stored. The Blackbrook is the larger, as also is the reservoir, and stands on a higher altitude, so that the water gravitates therefrom to the Woodbrook reservoir at Nanpanton, where ample means of filtering of the most recent type are available to render the water free from all risks of pollution. The supply is ample and continuous.

During the year the newly-built up Areas of Shelthorpe, Leicester Road and Beacon Road, have been connected up.

## Occupation of Inhabitants.

The inhabitants are chiefly employed in Hosiery Factories and Dyeing Workshops, which employ a considerable proportion of female labour. The Health conditions in the Factories and Workshops compare favourably with other towns of the same size. There are several large Engineering firms employing mostly men, in which the Health conditions leave nothing to be desired.

## Rivers and Streams.

There is no pollution of rivers or streams from the Borough as the sewage effluent is good.

## Closet Accommodation.

Total Number at end of year :—

Privies 7; Pail Closets 389; W.C.s 7132; 123 Pail Closets were converted to W.C.s during the year. Pail Closets and Privies are being gradually converted, this authority contributing £5 towards the cost of each conversion.

## Sewage and Sewage Disposal.

The town generally is sewered on the "Combined" system, but the more recently sewered districts are provided with sewers designed for the partially separate system. The whole of the built up area of the Borough is sewered, and in addition the sewers from the adjacent area of Nanpanton, in the Loughborough Rural District, discharges into the Corporation sewers. The sewage is delivered by gravitation to the Sewage Disposal Works, where, after screening, up to three times the dry weather flow is pumped and treated by settlement in Dortmund Tanks with a capacity of slightly over half the d.w.f. After settlement about two-thirds of the sewage is treated by irrigation on the farm, the land being laid out in narrow plots, with grips, and is suitably underdrained. The remaining one-third is dealt with by four 80 feet diameter Bacteria Beds with revolving distributors, the media averaging 4 ft. 9 in. in depth, and after settlement in humus tanks the effluent is discharged into the River Soar. Storm water from 3 to 6 times the dry weather flow is pumped into Storm Water Tanks and treated as storm water. Storm overflows are provided on the trunk sewers and volumes in excess of 6 times the d.w.f. are discharged into the various water courses. The Leicester Road Area has been sewered during the past year, in addition to the Nanpanton District.

## Rainfall for 1927.

January	...	2.10
February	...	1.96
March	...	2.05
April	...	1.94
May	...	1.06
June	...	3.74
July	...	1.96
August	...	2.19
September	...	4.78
October	...	1.35
November	...	2.77
December	...	2.72
		<hr/>
Total	28.62	<hr/> <hr/>

## Vital Statistics of the Year.

	Total	M.	F.	
Births, Legitimate	366	169	197	} Birth rate 14.4
Illegitimate	14	10	4	
Total	380	179	201	

Deaths 306.	Death rate 11·6.		
Number of Women dying in, or in consequence of Child-birth }		From Sepsis 1	
		„ Other causes 1	
Deaths from Measles (all ages) ...	0		
„ Whooping Cough (all ages)	1		
„ Diarrhoea (under 2 years of age)	2		

## Method of Dealing with Infectious Diseases.

The Council has joined with the County Joint Hospital Committee, which provides Isolation Hospital treatment for all cases of Infectious Diseases.

Admitted during 1927, Diphtheria 14 ; Scarlet Fever 34,	48		
Died ... „ 1	1		
Discharged ... „ 13 ; „ 32	45		
Remaining in Hospital December 31st, 1927 ...	2		

Disinfection is accomplished by :— (1) the steam disinfecter at the Sewage Farm; (2) fumigation with Sulphur and Formic Aldehyde, and (3) spraying with Izol, Formalin and Perchloride of Mercury.

## Tuberculosis.

The Council has arranged to join the County Scheme for Sanatorium and Hospital treatment. Health Visitors have been appointed who visit and advise all cases of Tuberculosis. The rooms occupied by the Patients are periodically disinfected by the Sanitary Inspector with Formalin, and when a death occurs, or a removal takes place, the rooms are fumigated and the paper stripped off walls, and the rooms washed with a solution of disinfectant and limewashed, and the beds, etc., put through the steam disinfecter.

## Infectious Diseases Notified.

353 Cases of Infectious Diseases were notified during the year, viz : Diphtheria 24, Scarlet Fever 47, Enteric Fever 1, Chicken Pox 220, Pneumonia 7, Puerperal Fever 3, Puerperal Pyrexia 4, Erysipelas 4. Pulmonary Tuberculosis 35, other Tuberculous Diseases 8.

### Scarlet Fever.

47 Cases of this disease were notified. 34 Cases were removed to the Isolation Hospital.

### Diphtheria.

24 Cases of this disease were notified. 14 Cases were removed to the Isolation Hospital.

## Midwives' Act, 1902.

The County Council carry out this Act.

### Births.

The total number of Births registered in the Borough was 380, which is 52 less than last year, and 88 below the average of the last 5 years, and is an annual birth rate of 14·4 per thousand. Of these births 179 were Boys and 201 Girls. 14 of these births were illegitimate.

### Mortality.

The total number of deaths registered in the Borough was 327. From this must be deducted 33 of persons not belonging to the Borough and 12 added of Loughborough residents which were registered outside the Borough, which gives the correct number of Loughborough residents as 306, which is 20 more than last year and is 4 above the average of the last five years, and is an annual death rate of 11·6 per thousand. The death rate for England and Wales for the year was 12·3.

### Infant Mortality.

Deaths of Infants under one year of age per 1000 births:—  
 Legitimate 98·9. Illegitimate 71·4. Total 94·7.

The total number of deaths under one year of age is 36, which is 7 more than last year, and is the average of the last five years, and is an Infant mortality of 94·7 per thousand births registered. The Infantile Mortality for England and Wales was 69 per thousand births registered.

### Infant Mortality for the past five years.

1922	...	84·9
1923	...	84·8
1924	...	74·0
1925	...	72·9
1926	...	67·1

### Zymotic Diseases.

The total number of Deaths from Zymotic Diseases including Diarrhoea and Influenza is 33, which is 27 less than last year.

### Prevention of Disease.

In order to prevent Summer Diarrhoea during the summer a considerable number of rooms were sprayed with a solution to kill flies. This precaution again proved successful.

## Bacteriological Examinations.

During the year 223 specimens were examined at the County Laboratory by Dr. Fairer, County Medical Officer. I have found these examinations very helpful and wish gratefully to thank Dr. Fairer for the assistance. The examinations were as follows :—

Sputa for T.B.	...	...	81
Milk Examinations	...	...	80
Throat Swabs for Diphtheria	...	...	45
Blood for Wassermann Test	...	...	7
Films for Gonococci	...	...	6
Urine( Gen. & Bact).	...	...	1
Miscellaneous	...	...	3
			—
			223
			—

In addition the following specimens were received from the Loughborough Venereal Diseases Clinic :—

Films for Gonococci	...	...	41
Blood for Wassermann Test	...	...	26
Miscellaneous	...	...	1
			—
			68
			—

## Housing.

No. of New Houses Erected during the year :—

(a)	Total number including numbers given separately under (b)	198
(b)	With State assistance under The Housing Acts	—
(1)	By the Local Authority	...
(2)	By other Bodies or Persons	119

## No. of New Houses Erected.

1920	...	35
1921	...	115
1922	...	62
1923	...	30
1924	...	59
1925	...	81
1926	...	78
1927	...	198
		—
Total		658

## Unfit Dwelling Houses.

The total number of houses inspected for housing defects during the year, Public Health or Housing Acts, 545. Nuisances were found in 415 of these, the chief defects being:—dirty houses, defective floors, defective windows and doors, overcrowding, defective yard paving, etc. On notices being sent these defects were remedied; 5 were found to be so dangerous or injurious to health as to be unfit for human habitation. Full details of the houses inspected, notices, etc., sent out under their different headings, etc., will be seen from the Sanitary Inspector's Report hereto attached.

## Scavenging.

The amount of work accomplished under this heading will be seen from the Sanitary Inspector's Report attached hereto.

## Sanitary Inspection of the Area.

Total No. of complaints received during the year	...	68
„ „ inspections made for all purposes	...	10736
„ „ notices served 456. Informal 397. Formal 59		
„ „ summonses issued ... ... ...		2
„ „ convictions obtained ... ... ...		2

## Schools.

The Sanitary conditions of the Schools in the Borough are good. The water supply in all of them is obtained from the mains. The Medical examination of the school children is carried out under my supervision. The amount of work accomplished under this heading will be noted from School Report attached hereto. A careful lookout is kept by the teachers, nurses and myself for cases of Infectious Diseases amongst the children attending school.

## Milk and Dairies Amendment Act.

A large amount of work has been carried out under this Act. On the New Register there are 53 Retailers and 20 Wholesale traders and Producers. These receive the constant attention of your Inspector and myself. 305 inspections have been made during the year. 80 samples of Milk were taken for Bacteriological examination.

## Factory and Workshop Act.

The total number of Inspections of Factories and Workshops for the year was 161, Factories 12, Workshops 116, Workplaces 33; 15 nuisances were found existing:—Insufficient closet accommodation 8, unsuitable or defective accommodation 6, not separate for sexes 6; on notices being served these nuisances were remedied.

## Veterinary Inspections.

The Veterinary examination of Milch Cows is now carried out by the County Council.

## Notification of Births Act, 1907.

This Act is carried out by the Local Authority. A Nurse has been appointed to visit and instruct parents in all cases. The amount of work accomplished during the year will be seen from the Nurse's report attached hereto.

## Infant Welfare

Attached is the report of the Health visitor from which will be seen the amount of work carried out. The Infantile Death rate is 94.7 per thousand births registered as compared with 67.1 last year and 18 above the average of the last five years. There is little doubt that the wretched sunless summer of 1927 accounted chiefly for the increased number of Infant deaths. The number of Deaths due to Infantile or Summer Diarrhoea is below the average. The increase would appear to be accounted for by the larger number of Deaths from respiratory diseases.

Appended is the Sanitary Inspector's Report, Report of School Medical Officer to the Loughborough Education Committee of Schools in the Borough, Tabulated Statistics as to population, Birth and Mortality for the past five years, also of Infectious Diseases notified, and of Deaths of Infants under one year of age.

Copies of this report will when printed be sent to the Ministry of Health, the Home Office and the Leicestershire County Council.

I am, Ladies and Gentlemen,

Your obedient Servant,

N. B. M. BLACKHAM.

*Medical Officer of Health.*

BOROUGH OF LOUGHBOROUGH.

Year.	BIRTHS,			TOTAL DEATHS REGISTERED IN THE DISTRICT.			TRANSFERABLE DEATHS.			NETT DEATHS BELONGING TO THE DISTRICT.		
	Population estimated to Middle of Year.	Un- corrected Number.	Nett. Number.	Rate.	Number.	Rate.	of Non- residents not registered in the district.	Under 1 Year of age	At all ages.		Rate.	Number.
									Rate.	Number.		
1923	26,480	507	19·1	310	11·7	23	9	43	84·8	291	10·9	11
1924	26,550	459	45·9	313	11·7	26	24	34	74	311	11·7	
1925	26,530	425	42·5	322	12·1	31	14	31	72·9	305	11·4	
1926	26,450	432	43·2	298	12·2	29	17	29	67·1	286	10·8	
1927	26,350	380	44·4	327	12·3	23	12	36	94·7	306	11·6	

Table X.—Birth Rate, Death Rate, and Analysis of Mortality during the Year 1927.

(Provisional figures. The rates have been calculated on a population estimated to the middle of 1927. The mortality rates refer to the whole population as regards England and Wales, but only to civilians as regards London and the groups of towns. As the registration of stillbirths did not come into operation until 1st July, 1927, no stillbirths are included.)

		ANNUAL DEATH-RATE PER 1,000 POPULATION.										RATE PER 1,000 BIRTHS.		PERCENTAGE OF TOTAL DEATHS.		
BIRTH-RATE PER 1,000 TOTAL POPULATION.	All Causes.	Enteric Fever.	Small-Pox.	Measles.	Scarlet Fever.	Whooping Cough.	Diphtheria.	Influenza.	Violence.	Diarrhoea and Enteritis (under two years).	Total Deaths under One year.	Certified by Practitioners.	Cases of Medical Practitioners.	Cases of Coroners after P.M.	Causes of Death.	
England and Wales -	-	16·7	12·3	0·01	0·00	0·09	0·01	0·09	0·07	0·57	63	69	91·7	6·6	0·7*	1·0
107 County Boroughs and Great Towns, including London.	17·1	12·2	0·01	0·00	0·12	0·01	0·10	0·08	0·49	0·46	83	71	91·9	6·6	0·9*	0·6
155 Smaller Towns (1921 Adjusted Populations 20,000-50,000), London	16·4	11·3	0·01	0·00	0·07	0·01	0·08	0·05	0·58	0·41	50	68	92·7	5·8	0·3*	1·2
	-	16·1	11·9	0·01	0·00	0·04	0·01	0·12	0·09	0·39	59	59	90·3	7·9	1·8*	0·0

\* The Coroners (Amendment) Act, 1926, which came into operation on the 1st May, 1927, provided for the registration of deaths on a certificate of the Coroner after P.M. without inquest. These percentages relate therefore to 8 months of the year only.

## CIVILIANS ONLY.

## Causes of Death in LOUGHBOROUGH M.B. 1927.

<u>All Causes</u>	...	...	M. 155	F. 151
1. Enteric Fever	...	...	—	—
2. Small Pox	...	...	—	—
3. Measles	...	...	—	—
4. Scarlet Fever	...	...	—	—
5. Whooping Cough	...	...	—	1
6. Diphtheria	...	...	1	—
7. Influenza	...	...	3	11
8. Encephalitis lethargica	...	...	—	—
9. Meningococcal meningitis	...	...	—	—
10. Tuberculosis of respiratory system	...	...	7	8
11. Other tuberculous diseases	...	...	4	3
12. Cancer, malignant disease	...	...	17	20
13. Rheumatic Fever	...	...	—	—
14. Diabetes	...	...	4	5
15. Cerebral haemorrhage, &c.	...	...	7	4
16. Heart Disease	...	...	27	19
17. Arterio-sclerosis	...	...	2	5
18. Bronchitis	...	...	16	11
19. Pneumonia (all forms)	...	...	12	8
20. Other respiratory diseases	...	...	—	—
21. Ulcer of stomach or duodenum	...	...	2	—
22. Diarrhoea, &c., (under 2 years)	...	...	1	1
23. Appendicitis and typhlitis	...	...	1	—
24. Cirrhosis of liver	...	...	1	—
25. Acute and chronic nephritis	...	...	2	6
26. Peurperal sepsis	...	...	—	1
27. Other accidents & diseases of pregnancy and parturition	...	...	—	1
28. Congenital debility and malformation, premature birth	...	...	8	8
29. Suicide	...	...	3	—
30. Other deaths from violence	...	...	10	7
31. Other defined diseases	...	...	27	32
32. Causes ill-defined or unknown	...	...	—	—
Special causes (included above)	...	...	—	—
Poliomyelitis	...	...	—	—
Polioencephalitis	...	...	—	—
Deaths of Infants under 1 year	}	Total ...	22	14
		Illegitimate	—	1
TOTAL BIRTHS	...	...	179	201
Legitimate	...	...	169	197
Illegitimate	...	...	10	4
POPULATION	...	...	26,350	

BOROUGH OF LOUGHBOROUGH.

Infectious Diseases Notified.

Classified according to ages.  
For year 1927.

	Total Cases Notified	Cases Admitted to Hospital	Total Deaths	Ages of Cases Notified									
				Under 1 Year	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	
Diphtheria	...	...	24	14	—	—	1	1	2	13	5	1	—
Scarlet Fever	...	...	47	34	0	—	2	—	—	26	10	3	5
Enteric Fever	...	...	1	—	0	—	—	—	—	—	—	1	—
Chicken Pox	...	...	220	—	0	—	—	—	—	—	—	—	—
Pneumonia	...	...	7	—	20	—	—	—	—	—	—	1	3
Puerperal Fever	...	...	3	—	—	1	—	—	—	—	—	1	2
Puerperal Pyrexia	...	...	4	—	—	0	—	—	—	—	—	3	—
Erysipelas	...	...	4	—	—	0	—	—	—	—	—	1	—
Ophthalmia Neonatorum	...	0	—	—	—	0	—	—	—	—	—	—	—
Pulmonary Tuberculosis	...	35	—	15	—	—	—	—	—	—	2	4	18
Other Tuberculosis Diseases	8	—	—	7	—	—	—	—	2	—	1	2	1
													1

## TUBERCULOSIS.

### NEW CASES.

### DEATHS.

Ages	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary.	
	Male	Female	Male	Female	Male	Female	Male	Female
0							2	
1				3			1	
5								
10	1	1	1				1	
15	3	1	1	1			1	
20	2	4	1		1	1		2
25	6	6			2	3		
35	2	3			1			
45	1	2	1		1	2		
55	1	1			2	1		
65 and upwards.	1							
Totals	17	18	7	1	7	8	4	3

I have found the notification of Tuberculosis to be efficient ; no evidence of wilful neglect or refusal to notify ; no action was necessary to be taken relating to Tuberculous employees in the Milk Trade.

Public Health Act. Section. 62.

No action was necessary to be taken under this Section.

**LEICESTERSHIRE COUNTY COUNCIL.****(V DEPARTMENT).**

Return relating to persons residing in the County of Leicestershire who were treated at the Treatment Centre at Loughborough during the year ending 31st December, 1927.

		Males.	Females.
1.	Number of persons dealt with at or in connection with the out-patient Clinic for the first time and found to be :—		
	Suffering from syphilis	... 3	8
	„ „ soft chancre	... 0	0
	„ „ gonorrhœa	... 14	2
	Not suffering from venereal disease	... 2	1
	TOTAL	... 19	11
2.	Number of persons discharged from the out-patient Clinic after completion of treatment for :—		
	Syphilis	... 4	1
	Soft chancre	... —	—
	Gonorrhœa	... 9	3
	TOTAL	... 13	4
3.	Number of persons who ceased to attend the out-patient Clinic without completing treatment and who were suffering from :—		
	Syphilis	... 3	5
	Soft chancre	... —	—
	Gonorrhœa	... 4	—
	TOTAL	... 7	5
4.	Total attendances of all persons at the out-patient Clinic who were :—		
	Suffering from syphilis	... 80	123
	„ „ soft chancre	... —	—
	„ „ gonorrhœa	... 153	81
	Not found to be suffering from venereal disease	... 10	1
	TOTAL	... 243	205

## V DEPARTMENT—continued.

		M.	F.
5.	Aggregate number of "In-patient days" of treatment given to persons suffering from:—		
	Syphilis	...	—
	Gonorrhœa	...	—
		<hr/>	<hr/>
	Total	...	—
		<hr/>	<hr/>
6.	Number of persons treated with Salvarsan substitutes	...	1      2
7.	Number of doses of Salvarsan substitutes given:—		
	Name of drug.		Number of doses.
	N.A.B.	0.45	11
		0.6	7
		0.9	5
		<hr/>	<hr/>
8.	Examinations of Pathological material:—		Number.
(a)	Specimens from persons attending at the Treatment Centre which were examined at this Centre:—		
	For detection of spirochetes	...	0
	,,    ,, gonococci	...	42
	,, Wassermann reaction	...	0
	Others	...	0
		<hr/>	<hr/>
	Total	...	42
		<hr/>	<hr/>
(b)	Specimens from persons attending at the Treatment Centre which were sent for examination to an independent laboratory:		
	For detection of spirochetes	..	0
	,,    ,, gonococci	...	0
	,, Wassermann reaction	...	26
	Others	...	0
		<hr/>	<hr/>
	Total	...	26
		<hr/>	<hr/>

28th January, 1928.

(Signed) J. B. DALTON,  
Medical Officer of the Treatment Centre.

## *Report of School Medical Officer.*

To the Chairman and Members of the Loughborough Education Committee.

MR. CHAIRMAN, LADIES AND GENTLEMEN,

I have the honour to present to you my Annual Report on the Medical Inspection of School Children for the year ended 31st December, 1927.

### Staff of School Medical Service.

Medical Officer, Assistant Medical Officer and two Nurses.

### Medical Inspections.

Medical Inspections are held at each School periodically. The total number of children examined during the year was 1,093. Of this number 422 were found to be more or less defective, requiring observation or treatment. The majority were re-examined in due course.

96 cases (specials) have been examined at the Schools and Clinic. These are cases which have been singled out by the Teachers or have come under the observation of the Nurses during their regular visits to the Schools, or, as the result of visits to homes in the course of co-operation with the Attendance Officer.

### Tonsils and Adenoids.

Hitherto, the Hospital Authorities have carried out operative treatment for Tonsils and Adenoids on the recommendation of a Subscriber, but it is understood that, as from 1st April, 1928, a charge will be made to the Education Committee of a fee of one and a half guineas for each case treated.

### Minor Ailments.

The Clinic has been open each morning from 9 to 11 o'clock for the treatment of Minor Ailments, Dressings and supply of Medicines to necessitous cases and for Medical advice on Tuesday and Friday mornings: Friday afternoons for eye refractions; Tuesday afternoons and Wednesday mornings (and since June an extra session on Friday afternoons) for Dental treatment.

The Clinic was opened	204 times.
No. of New Cases	1018
No. of Attendances	3792

Certificates of fitness for part-time employment have been issued in 90 cases.

### Ringworm.

28 head and 24 body cases have been treated at the Clinic. These have been mainly of a mild character, giving much less trouble than last year.

### Scabies.

Only one case reported and treated during the year.

### Impetigo.

This complaint continues to be troublesome owing, in most cases, to unsatisfactory home conditions. Many require the daily attention of the Nurse at the Clinic involving more or less prolonged absence from School.

### Mumps.

There was an epidemic of this disease during the months of May and June.

### Cleanlinesss.

The improvement in general cleanliness has been maintained. 83 examinations have been made in the Schools by the Nurses and the number of children examined 10,200.

19 children have been excluded froin School on account of verminous condition of their heads.

6 families were reported to the N.S.P.C.C. Inspector in respect of 10 children.

The average result of periodical examinations of girls' hair in the several Schools was as follows:—

Rendell Street	94%	clean
St. Mary's Girls' and Infants'	93%	"
Rosebery Street Infants'	97%	"
Rosebery Street Girls'	96%	"
Warner	99%	"
Emmanuel Girls' and Infants'	98%	"
Shakespeare Street Infants'	89%	"
Shakespeare Street Girls'	91%	"
Church Gate Girls'	94%	"
Cobden Street Girls'	96%	"
Cobden Street Infants'	95%	"

## Eye Refractions.

The Clinic has been opened 36 times for the examination of 105 cases of defective vision. In each case glasses were required and obtained, in the majority of cases through the generosity of the Trustees of John Storer's Charity. A change of glasses was prescribed in 43 instances. The total number of visits made by children for these examinations was 752.

## Cripples' Guild.

During the year 19 School Children received treatment at the Local Cripples' Guild for the following deformities:—

Infantile paralysis (various)	6
Tubercular knee	1
,,    hip	2
Club foot	1
Injuries	3
Congenital dislocation of hip	1
Spinal curvature	2
Flat feet	3

## General.

The several Schools in the Area, both Council and Non-Provided, have during the year been kept in a satisfactory condition of cleanliness. The ventilation, warming and sanitary arrangements are quite satisfactory.

The School Nurses have worked in co-operation with the Sanitary Department of the Town Council and have regularly reported to the Borough Inspector of Nuisances cases of overcrowding and dirty houses which have come under their notice.

The assistance of the Local Inspector of N.S.P.C.C. has been obtained in dealing with several unsatisfactory parents.

I have the honour to be,

Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

N. B. M. BLACKHAM,

*School Medical Officer.*

25 Victoria Street,

Loughborough,

March, 1928.

## *Report of School Dentist.*

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To the Medical Officer of the Loughborough  
Education Committee.

Dear Sir,

I beg to submit to you the report of the School Dental work during the year 1927.

Children to the number of 2523 were inspected. Of these I marked down for treatment 1451, but only of those whose permanent teeth were decayed or whose temporary teeth were liable to cause suffering and ill health.

The number of those who came for treatment 609, shows a slight decrease in the percentage of those consenting to treatment.

In addition to these 153 were treated as special cases, a large drop indicating the beneficent results of consistent inspection and treatment. These were sent either by the Medical Officer, School Nurses, or the parents of the regular attendants, who had developed trouble before we were able to re-inspect.

There were 13 sessions devoted to inspection work and 75 sessions to treatment.

Permanent teeth filled 380, permanent teeth dressed 55.  
Permanent teeth extracted 183, temporary teeth extracted 909.

Teeth were extracted for 6 patients under a general anaesthetic given by the Medical Officer.

This year we have been able to devote more time to the treatment and as a result we have been able to retreat a considerably larger number of children who have as a result of observation been detailed for bi-yearly examination.

Yours faithfully,

G. W. STOREY,

L.D.S. (Eng.)

15, High Street,  
Loughborough.  
March 1928.

*Report of the Health Visitor for the Year  
ending December, 1927.*

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Births registered	...	...	...	...	380
Notifications received	...	...	...	...	376
Stillborn	...	...	...	...	9
Births not notified	...	...	...	...	19
Illegitimate	...	...	...	...	14
Notifications not necessary to visit	...	...	...	...	18
Visits paid by Health Visitor	...	...	...	...	2455
Children under supervision (constantly visited)	...	...	...	...	72
Visits as Infant Protection Visitor (12 children)	...	...	...	...	96
Number of times Centre has been opened	...	...	...	...	97
Attendances made	...	...	...	...	5429
New mothers	...	...	...	...	206
Anti-natal cases at Centre	37.	Average visits	...	...	248
" " visited	42.	Total visits	...	...	166

The Centre is opened two afternoons each week, Tuesday and Friday, from 1-30 to 4-30, at Baxter Gate Lecture Hall. The Medical Officer (Dr. Blackham) attends on Fridays at 2-30, or at any other time by appointment.

The work has been carried on during the year at Baxter Gate very pleasantly, the room being very bright and well heated. No difficulty has been found from the changing of the day from Wednesday to Friday. Attendances slightly decreased during the winter owing to many of the Mothers removing from rooms to homes of their own at Shelthorpe, this being a long distance from the town. When two or more children have to be brought it has been almost impossible for Mothers to attend, especially as the roads were not made; probably when roads are finished and the weather is better we shall have our numbers back again.

In spite of the birthrate being lower very little difference has been made in the attendance of new Mothers, which has slightly increased during the year, as has also the general attendance at the Welfare Centre.

We still have a fair sale for Dried Milks, but much is being sold to the Mothers who are feeding their babies, it being cheaper than cows' milk. We have a much higher record of breast-fed children this year. We are also stocking Ovaltine, it being supplied to the Welfare at a much cheaper rate, a guarantee being given to Wander Ltd. that only Nursing Mothers should be supplied who really could not afford to buy otherwise; the Mothers are greatly appreciating this.

Virol, Codliver Oil, Roboleine and Medical Parrafin have been sold and given in big quantities during the winter—sold at cost price, and given on the recommendation of the Medical Officer. Emulsion, Ferri Phos and Ointments are also supplied.

Our wool, pattern and clothing stall is still found useful. Unfortunately we get very little left-off clothing sent which used to be found so useful to the poorer Mothers, no doubt the reason being so few children are born in homes where they could afford to give away. Woollen vests and body belts are made by the Helpers and are sold or given for the cost of the wool.

Plenty of books and slips relating to health, hygiene, feeding and clothing of children are given or sold. Simple informal talks are given by the Health Visitor and discussions by the Mothers follow.

We had our New Year Tea on January 11th. 95 Mothers and 130 Children being present. An excellent entertainment was given by a Dancing Mistress of the Town with 20 of her pupils, with recitations and singing from 3 until 4.30. Tea followed, the party breaking up at 6 o'clock.

In Baby Week an excellent Temperance Lecture was given at the Welfare Centre, by Mrs. Murman, of Leicester, "President of the British Womens' Association." We extended an invitation to the Loughborough Branch of the B.W.A., and a very good audience was the result. Tea was provided at the close of the Lecture.

Our Annual Summer Outing was held on July 12th, when over 100 Mothers were taken for a drive in chars-a-banc over the Charnwood Forest. On returning to the Welfare Centre tea was provided, followed by music and singing, and a very enjoyable time was spent.

Health Week. On the Tuesday a lecture was given at the Welfare. On the Friday, Dr. Elizabeth Foley gave a Health Talk on Skin and its Diseases.

A Rummage Sale was held in October and realised £12, which goes to the Working Fund of the Welfare.

The Maternity bags have not been asked for so much this year, showing that trade has greatly improved, as most Mothers when able prefer to make preparations.

The work of the Centre, under the Medical Officer of Health, the Health Visitor and the Lady Helpers, is carried on most smoothly, the latter being most regular and considerate in their duties.

Tea is still provided at each opening.

## *Report of Sanitary Inspector.*

SANITARY INSPECTOR'S OFFICE,

TOWN HALL, LOUGHBOROUGH,

*April 2nd, 1928.*

To His Worship the Mayor and Members of the Town Council.

LADIES AND GENTLEMEN,

I have pleasure in submitting for your consideration my Nineteenth Annual Report on the operations of the Sanitary Department for the year ending December 31st, 1927.

### Housing.

As I have pointed out in previous reports, perhaps one of the most serious and urgent problems that Local Authorities are faced with, is the question of a sufficient and suitable supply of houses, at a reasonable rental that the majority of people can pay.

We have houses that are not adapted for two or more families, being so occupied, and this usually does not lead to a peaceful and harmonious life. Families are also occupying vans and tents under appalling conditions in bad weather.

The Council are to be congratulated on the number of houses that they have built, but more and more are required yet, before the housing problem can be said to have been met.

I am glad to know that the Council are going to build about 100 more houses and probably of a cheaper and simpler type of house for which the average artizan will be enabled to pay the rent.

Overcrowding still exists in many houses in the Borough and it has been found to be very difficult to deal with, owing to the occupiers having nowhere to go. There are many houses in the scheduled areas, which might possibly be re-constructed, or two made into one, or three into two, if there were anywhere for the occupiers to go to whilst this work was going on.

In many phases of our work, we are "up against" this problem; for instance, we could better arrange for water to be laid on in the houses, sinkstones provided, and drains laid to carry away the sewage, better pantry accommodation, if some of the houses were vacant, than can be done when occupied and until we have some vacant houses, satisfactory progress cannot be made in this direction.

### Scavenging.

The removal of household refuse has been carried out satisfactorily throughout the year. The pail closets are emptied twice weekly, the dust-bins once weekly. The ash-pits, privies and cesspools are emptied once every four weeks. I wish to congratulate the Highways Committee and the Borough Surveyor on being able to extend the Leicester Road sewer up to the Cemetery. It was a very difficult and expensive problem owing to local circumstances, but it enabled a fair number of houses to be connected up to the public sewer and 9 cesspools to be abolished.

The total quantity of refuse removed amounts to 8445 loads, being somewhat about the same as for 1926.

### Conversions

The Council have once again generously provided us the sum of £800 towards the cost of converting the pail closets to W.C.s. The owner of the property carries out the work under the supervision of this Department and £5 is allowed on each closet converted.

During the year 123 pail closets have been converted to W.C.s and 9 privies to W.C.s, leaving us with about 389 pails and four blocks of privies at the beginning of the year. These privies will have to remain for the present, because they are in isolated districts and where there are neither sewers nor water supply available. In all cases where conversions are carried out, dust-bins are provided in lieu of the ash-pits.

### Food Supply.

During the year we have destroyed 502 stones weight of diseased meat, being in my opinion unsound and unfit for the food of man. This is a larger amount than in the previous year. I have had a considerable number of requests to examine meat of a doubtful character and I am pleased to encourage this as far as possible. The "making up" rooms have been carefully looked after and in several cases I have had to ask the occupiers to have a good "clean up."

### Milk Supply.

80 samples of milk have been submitted for bacteriological examination and of these 41 are returned as good

20	"	"	"	fair
2	"	"	"	moderate
17	"	"	"	bad

This return gives us 51·2% as good.

The % for the Urban Districts throughout the County gives us 41.5% and for the Rural Districts 39.1% and for the County as a whole 40.3% of samples as good.

I wish to offer my congratulations to the farmers and milk sellers in the neighbourhood, because we come out "top" in results for the whole County for Urban Districts.

Undoubtedly the milk supply is improving and the taking of these samples tends to encourage this and farmers are keen to know how they turn out.

We have a "sediment tester" in the office and where we can show the retailer ocular proof of a dirty milk, it has been found to be very convincing; a few samples have been taken by this method but are not included in the return above.

Subsequent samples are to be taken of those not returned as "good" and where they are from farms outside the Borough, the particulars will be handed over to the Local Authorities concerned.

### Public Health Act, 1925.

Proceedings were instituted under this Act against two persons one for exchanging toys for rags, and the other for being a person in a verminous state.

In the first case we secured a conviction and I trust that this business has now come to an end. Many evasions of the Act were taking place at one time and the Health Committee made representations to the Ministry on this subject.

In the second case the Magistrates made an order against the person concerned, to attend at the Union Workhouse to be periodically washed and cleansed.

### Notices Served.

The total number of notices served is 456. A large amount of work has been carried out without my having to serve any notice at all. I wish to encourage this as far as possible.

I wish to take this opportunity of thanking the Health Committee for their unfailing support throughout the year, also to my assistants for their willing help at all times.

I am, Mr. Mayor, Ladies and Gentlemen,

Your obedient Servant,

H. BINTCLIFFE.

## HOUSE TO HOUSE INSPECTIONS.

Street.	No. of Houses.	Overcrowded.	Defective Yard Paving.	Defective Roots.	Defective Windows.	Defective Floors.	Defective Rain Conductors.	Defective Chimneys.	Defective Sink Waste.	Dilapidations	Insanitary Sink Stones.	Defective Dust Bins.	
Burder Street	21	—	12	4	2	—	2	—	—	—	—	2	
Meadow Lane	22	—	4	2	2	—	2	—	—	—	—	—	
Cobden Street	32	—	10	3	14	—	4	—	—	—	2	—	
Woodgate	13	—	6	5	10	4	—	—	3	—	1	—	
Cambridge Street	31	—	5	3	15	20	—	—	—	—	—	—	
Falcon Street	41	2	4	2	6	—	4	—	—	59	—	—	24
Pinfold Gate	21	—	7	3	15	20	—	—	—	—	—	—	
Ratcliffe Road	112	—	63	6	44	15	2	—	—	—	—	—	
Herbert Street	11	—	1	10	4	17	—	—	—	—	—	—	
Leopold Street	23	2	10	2	3	—	—	—	—	—	—	—	
Wellington Street	19	—	—	—	—	—	—	—	—	—	—	—	
Station Street	20	—	—	2	—	—	—	—	—	—	—	—	
Queen Street	15	1	4	—	—	4	—	—	—	—	—	—	
Nottingham Road	2	—	2	—	—	—	—	—	—	—	—	—	
Moira Street	22	—	4	—	—	—	—	—	—	—	—	—	
Totals	..	405	5	144	31	163	42	35	11	39	19	7	32

## SUMMARY OF WORK DONE.

---

Number of Notices issued	...	...	397
,,    ,,    complied with	...	...	371
,,    Houses re-inspected	...	...	241
,,    House to house inspections	...	...	415
,,    Infected houses visited	...	...	140
,,    ,,    rooms sprayed	...	...	127
,,    ,,    ,,    fumigated	...	...	137
,,    ,,    ,,    washed and stripped	...	...	48
,,    Lots of infected Bedding stoved at farm	...	191	
,,    ,,    ,,    destroyed at farm	...	34	
,,    Samples of Milk submitted for Bacterio- logical examination	...	80	
,,    Samples of Milk submitted for Tubercl Bacilli	...	3	
,,    Drains and other inspections	...	6579	
,,    Complaints received	...	...	68
,,    ,,    re Dust removals	...	...	35
,,    Common Lodging Houses inspected	...	34	
,,    Factories, Workshops and Bakehouses inspected	...	161	
,,    Dairies, Cowsheds and Milkshops inspected	...	305	
,,    Slaughterhouses inspected	...	2536	
,,    Vans inspected	...	...	36
,,    Outworkers inspected	...	...	117
,,    Offensive Trades inspected	...	...	122
,,    Smoke observations	...	...	16
,,    Animals improperly kept	...	...	1
,,    Accumulation of Manure	...	...	8
,,    Drains tested	...	...	214
,,    Petrol Stores inspected	...	...	42
,,    Legal Proceedings	...	...	2
,,    Schools inspected	...	...	2
,,    Samples of Milk examined with sediment tester	...	...	9

### FOOD SURRENDERED :—

Beef	...	...	...	403½ st weight
Pork	...	...	...	74   , "   ,"
Mutton	...	...	...	14½   , "   ,"
Ox Tongue	...	...	...	24 lbs.   , "
Veal	...	...	...	8 st.   , "
Apples	...	...	...	12 barrels
Cherries	...	...	...	1 case
Plums	...	...	...	3 baskets

## SCAVENGING :

Total number of loads removed	...	8445
Number of loads of Dry Ashes removed	...	7235
,,    ,,    ,,    to Destructor	...	7235
,,    ,,    Pan Manure and Nightsoil	...	729
,,    ,,    Cesspool Slops	...	481
Drains taken out	...	4
New Drains laid	...	224
Drains stopped and cleansed	...	63
Gullies affixed	...	11
Sink wastes repaired	...	6
New Sinkstones	...	4
Accumulations of Manure	...	8
,,    Rubbish	...	3
Yard surface repaired	...	21
Manure Pits repaired	...	1
Water Conductors repaired	...	45
Water Cisterns cleansed	...	3
Water Closets repaired	...	33
Ashpit Doors repaired	...	1
Dilapidated Doors and Windows repaired	...	43
Floors concreted	...	8
,,    repaired	...	17
Yards paved	...	22
Animals improperly kept	...	1
Rabbits and Fowls kept	...	8
Overcrowded Houses	...	7
Dity Houses cleaned	...	222
Roofs repaired	...	182
Ceilings repaired	...	6
Dilapidations repaired	...	103
Drains vent lated and disconnected	...	186
W.C's in lieu of Privies	...	9
W.C's in lieu of Pails	...	123
Ashpits dispensed with	...	27
Dust Bins provided	...	164
Houses supplied with Towns Water	...	5
Rooms washed and stripped	...	48
Closet Pails provided	...	4
Broken and Smoky Chimneys repaired	...	12
Plaster Walls repaired	...	42
New W.C's provided	...	12
New Lavatory Basins	...	2

**Annual Report of the Medical Officer of Health for the year 1927, for the Borough of Loughborough.**  
 on the administration of the Factory and Workshop Act, 1901, in connection with  
**FACTORIES, WORKSHOPS AND WORKPLACES.**

**1.—INSPECTION OF FACTORIES, WORKSHOPS AND WORKPLACES.**

*Including Inspections made by Sanitary Inspectors or Inspectors of Nuisances.*

Premises. (1)	Inspections (2)	Number of	
		Written Notices. (3)	Occupiers prosecuted. (4)
FACTORIES ...	.. 12	1	
( Including Factory Laundries)			
WORKSHOPS ...	.. 116	3	
( Including Workshop Laundries)			
WORKPLACES ...	.. 33	2	
( Other than Outworkers' premises)			
Total ...	.. 161	6	None

**2.—DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.**

Particulars. (1)	Number of Defects			Number of offences in respect to which Prosecutions were instituted (5)
	Found. (2)	Remedied. (3)	Referred to H M. Inspector. (4)	
<i>Nuisances under the Public Health Acts :—*</i>				
Want of cleanliness ...	.. 1	1		
Sanitary accommodation— insufficient ...	.. 8	8		
Sanitary accommodation— unsuitable or defective ...	.. 6	6		
Total ...	.. 15	15		None

\*Including those specified in sections 2, 3, 7 and 8 of the Factory and Workshop Act, 1901, as remediable under the Public Health Acts.

# Leicestershire County Council.

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## Sanitary circumstances of the Loughborough Urban District for the year ending 31st December, 1927.

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### WATER SUPPLY.

No. of samples taken for analysis	...	...	0
No. condemned	...	...	0
Wells, No. closed	...	...	0
No. cleansed, repaired, etc.	...	...	0
No. of cases in which Public supply was substituted for well water	...	...	0

Particulars of any important extension of public water supplies :  
Mains extended to new housing estates, Shelthorpe and Forest Road.

### DRAINAGE AND SEWERAGE.

No. of Cesspools	...	...	...	9
No. abolished and drains connected to sewer	...	...	...	10

Particulars of any important extension during the year of  
sewerage and sewage disposal :—

Extension of sewer Leicester Road, William Street, Burfield  
Avenue and Shelthorpe Estate.

### CLOSET ACCOMMODATION.

Total No. in the District at end of year :—

(1) Privies	...	...	...	7
(2) Pail Closets	...	...	...	389
(3) W.C's	...	...	...	7132

No. of privies (middens) and pail or earth closets connected to  
the water-carriage system during the year 330.

Pail Closets converted to W.C's	...	...	132
W.C's provided for new houses	...	...	198

## **SCAVENGING.**

How is refuse disposed of? ... ... Destructor  
Any changes during the year? ... ... No  
What means are adopted for the cleansing of earth closets, privies,  
ashpits, and cesspools?  
Dust Bins emptied weekly.  
Pail Closets emptied twice weekly.  
Privies. Ashpits and Cesspools every four weeks.

## SANITARY INSPECTION.

One for exchanging Rags for Toys and one for person to be washed and cleansed periodically.

Regulated Buildings.	No. in District.	No. of Inspections.	Action taken.	General Conditions.
Common Lodging Houses	2	34	Informal Notice	Fair
Tents, Vans, Sheds, etc.	10	36	Formal Notices	Bad
Canal Boats	32	36	none	good
Offensive Trades	20	122	none	good

Please add any special notes on conditions of tents, vans and sheds.

Vans and sheds not particularly satisfactory and the Council are considering the question as to the advisability of making bye-laws for same.

Any other Sanitary conditions requiring notice? No

### Housing.—Year ending 31st December, 1927.

Statistics for the year 1927 should be given in the following form. In order that the particulars asked for may be accurately given the several heads should be read as a whole before the form is filled up, and care should be taken to avoid duplication ; for example, a defective house remedied twice during the year shiould be counted once only.

No. of New Houses erected during the year :—

(a) Total (including numbers given separately under b) ...	198
(b) With State assistance under the Housing Acts	
(1) By the Local Authority	119
(2) By other bodies or persons	79

#### UNFIT DWELLING HOUSES.

##### Inspection.

1. Total No. of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ...	545
2. No. of dwelling-houses which were inspected and recorded under the Housing Consolidation Regulations, 1925 ... ...	415
3. No. of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... ...	5
4. No. of dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation	357

##### Remedy of Defects without Service of formal Notices.

No. of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers .....	298
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#### ACTION UNDER STATUTORY POWERS.

##### (a) Proceedings under Section 3 of the Housing Act, 1925.

1. No. of dwelling-houses in respect of which notices were served requiring repairs .....	58
2. No. of dwelling-houses which were rendered fit after service of formal notices :—	
(a) By Owners ... ...	58
(b) By Local Authority in default of Owners none	
3. No. of dwelling-houses in respect of which closing orders became operative in pursuance of declarations by Owners of intention to close ...	5

##### (b) Proceedings under Public Health Acts.

1. No. of dwelling-houses in respect of which notices were served requiring defects to be remedied .....	109
2. No. of dwelling-houses in which defects were remedied after service of formal notices :—	
(a) By Owners ... ...	15
(b) By Local Authority in default of Owners none	

## (o) Proceedings under Sections 11, 14 and 15 of the Housing Acts, 1925.

1. No. of representations made with a view to the making of Closing Orders	...	...	5
2. No. of dwelling-houses in respect of which Closing Orders were made	...	...	5
3. No. of dwelling-houses in respect of which Closing Orders were determined, the dwelling-houses having been rendered fit	...	...	none
4. No. of dwelling-houses in respect of which Demolition Orders were made	...	...	none
5. No. of dwelling-houses demolished in pursuance of Demolition Orders	...	...	none

**INSPECTION AND SUPERVISION OF FOOD.****Milk.****RETAIL PURVEYORS.**

No. on Register	...	...	...	53
Total No. of inspections of premises	...	...	...	173

**COWKEEPERS.**

No. on Register	...	...	...	20
No. of inspections of premises	...	...	...	132
No. found to require cleansing	...	...	...	3
" " " structural alterations	...	...	none	

**Milk and Dairies Order, 1926.**

No. of contraventions found	...	...	...	3
" " " remedied	...	...	...	3

**General.**

Total No. of Milch Cows in District	...	...	158
No. of Bacteriological samples taken	...	...	80
State any action taken with regard to:—			

## (a) Dirty milk.

Representations have been made to the Local Authorities in whose District the Cowsheds are situated.

## (b) Unsatisfactory Biological counts.

**Meat, Etc.**

No. of carcases or parts of carcases:—			
(a) Seized for Tuberculosis	...	...	none
(b) Surrendered for Tuberculosis	...	...	240

Private Slaughter Houses	In Jan. 1927	In Dec. 1927.
No. registered	9	9
No. licensed	6	6
No. of inspections of premises	...	... 2536
Has public Abattoir been established ?	...	... No
No. of inspections of meat at time of slaughter	...	... 2208
Meat stalls. No. of inspections	...	... 190
Meat shops, stores, etc. No. of inspections	...	... 136
Total No. of inspections of places where Food (other than Meat) is kept or prepared for sale	...	... 128

H. BINTCLIFFE,

*Sanitary Inspector.*

*February 14th, 1928.*





